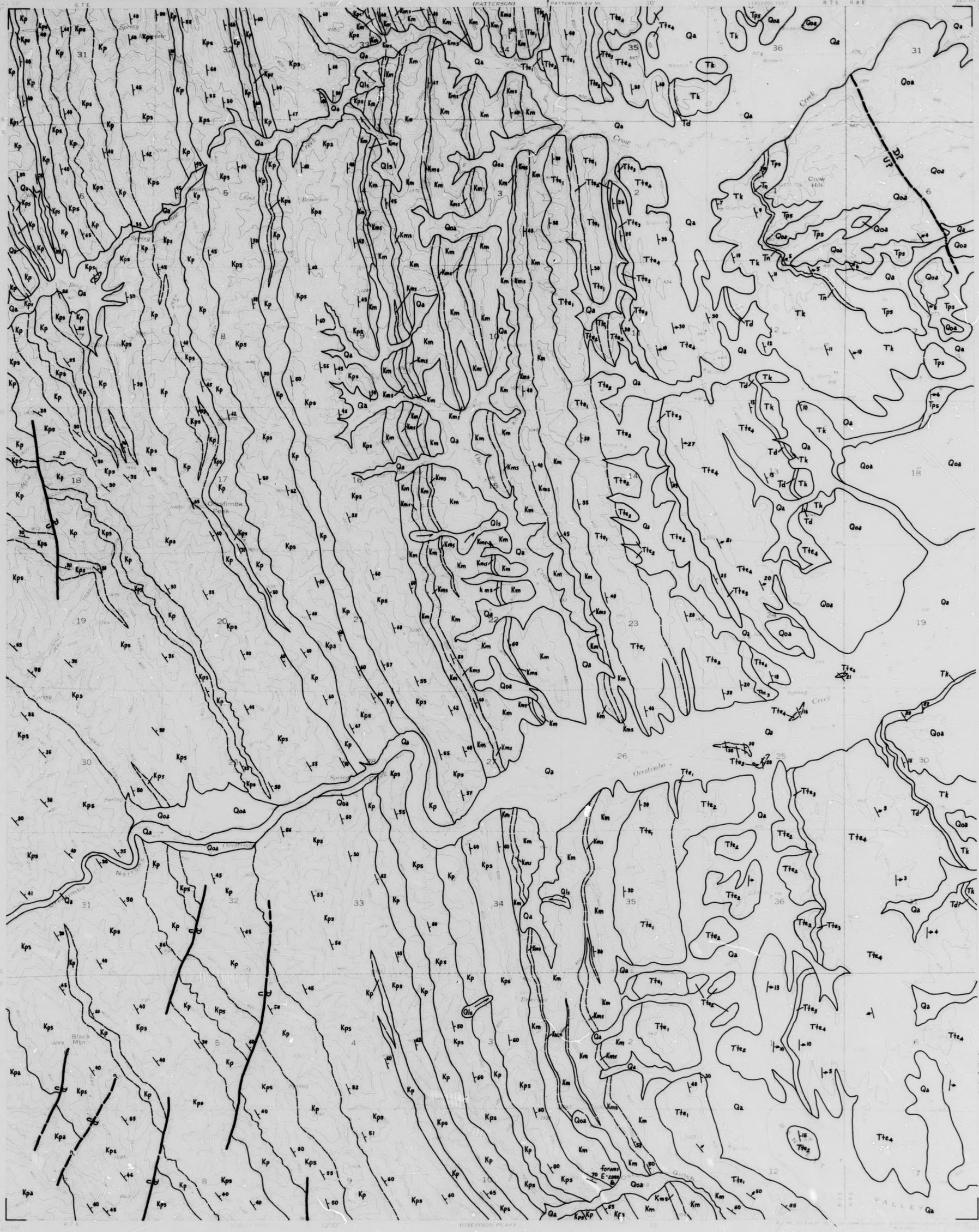
DEPARTMENT OF THE INTERIOR

UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 82-395

ORESTIMBA PEAK QUADRANGLE
CALIFORNIA—STANISLAUS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 ORESTIMBA 15' QUADRANGLE



Contact
dashed where gradational or approximately located

Fault
dashed where inferred; dotted where concealed; queried where existence doubtful; double arrows indicate strike-slip movement; U – upthrown side D – downthrown side relatively

anticline

syncline

Axis of fold
arrow on axis indicates direction of plunge

30 inclined

inclined (approximate)

vertical

70 overturned

Strike and dip of strata

Qa Qls — Surficial deposits
Qa; alluvium
Qls; landslide debris

Unconformity

Qoa — Older alluvium

Unconformity

Qtu — Tulare (?) Formation
Alluvial gravel, sand and clay

Unconformity

Tps — Nonmarine sedimentary rocks
Pebble gravel, sand and clay

Tn — Neroly Formation
Nonmarine, gray to blue friable sandstone, some pebbly clay

Unconformity

Tk — Kreyenhagen Shale
Marine clay shale or mudstone

Td — Domengine Sandstone (marine)

Tte_4 / Tte_3 / Tte_1 Tte_2 — Tesla Formation
(marine and brackish-marine)

Tte_4; mudstone, siltstone, and fine-grained sandstone
Tte_3; tan to white quartzose sandstone, friable
Tte_2: siltstone and fine-grained sandstone, fossiliferous near top
Tte_1; tan, fine to medium-grained sandstone

Km / Kms — Moreno Shale

Km; micaceous clay shale
Kms; tan, arkosic sandstone

Kps | Kp / Kpa — Panoche Formation
(marine)

Kps; light tan, hard, slightly micaceous arkosic sandstone, bedded; contains large concretions and minor interbedded shale
Kp; micaceous clay shale, minor thin sandstone beds
Kpa; Adobe Flat Shale Member of Maddock (1964)

Holocene
Pleistocene ? ?
Pliocene ? ?
Miocene ? ?
QUATERNARY
Eocene
Paleocene (?)
Upper Cretaceous
TERTIARY
CRETACEOUS

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.

Geology mapped by T.W. Dibblee, Jr., (1974)

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Light duty
Unimproved dirt
U.S. Route
State Route

ORESTIMBA PEAK, CALIF.
SW/4 ORESTIMBA 15' QUADRANGLE
N3722.5—W12107.5/7.5
1955

PRELIMINARY GEOLOGIC MAP OF THE ORESTIMBA PEAK QUADRANGLE, STANISLAUS COUNTY, CALIFORNIA

by

Thomas W. Dibblee, Jr.

1982